

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	((424/93.21)!.CCLS.) and ((alginate near10 calcium) and osteoblasts)	1	<u>L9</u>
USPT	((424/93.21)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L8</u>
USPT	((424/425)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L7</u>
USPT	((424/424)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L6</u>
USPT	((424/423)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L5</u>
USPT	((424/422)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L4</u>
USPT	((623/23.72)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L3</u>
USPT	((623/23.76)!.CCLS.) and ((alginate near10 calcium) and (GDL or C6H10O6))	0	<u>L2</u>
USPT	(alginate near10 calcium) and (GDL or C6H10O6)	7	<u>L1</u>

(FILE 'HOME' ENTERED AT 14:48:04 ON 07 SEP 2000)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 14:48:43 ON 07 SEP 2000

L1	4 S ALGINATE AND CACO3 AND GDL
L2	0 S L1 AND CELLS
L3	19 S (TISSUE ENGINEERING) AND SCAFFOLD AND ALGINATE
L4	10 S L3 AND ((CULTURE) OR (IN VITRO))
L5	7 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)

L7 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2000 ACS

AB Biodegradable calcium **alginate** gels were investigated as a means of delivering isolated **osteoblasts** via injection to det. if these gels would promote engraftment and provide a three dimensional template for new bone growth. Bovine **osteoblasts** were resuspended in 1.0% sodium **alginate** to yield a concn. of 100 .times. 10⁶ cells ml, then 0.2g CaSO₄ was added to each ml of the admixt. to initiate gel formation. These admixts. were injected in 100 ul aliquots s.c. in 12 nude mice and incubated up to 12 wk in vivo. All calcium **alginate**-osteoblast specimens exhibited new bone formation grossly and histol. as early as 8 wk post injection. 12 wk control specimens consisting of **osteoblasts** alone or calcium **alginate** without **osteoblasts** showed no evidence of bone formation. This technique promises a minimally invasive means of delivering autogenous bone to correct or reconstruct facial contour deficiencies.

=> d 3 bib

L7 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2000 ACS

AN 1996:217370 CAPLUS

TI Injectable bone using calcium **alginate** polymer substrate.

AU Cao, YiLin; Wang, JinXi; Perkins, Mike; Vacanti, Charles A.

CS Medical Center, University Massachusetts, Worcester, MA, 01655, USA

SO Book of Abstracts, 211th ACS National Meeting, New Orleans, LA, March 24-28 (1996), BIOT-212 Publisher: American Chemical Society, Washington, D. C.

CODEN: 62PIAJ

DT Conference; Meeting Abstract

LA English